

Converting Colors

$Y_{xy}(12.1497, 0.4404, 0.3990)$

Have a look what the booklet for
Yxy(12.1497, 0.4404, 0.3990)
contains.

Yxy(12.1385, 0.4404, 0.3990)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.1385, 0.4404, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	825934
RGB	130, 89, 52
RGB Percent	51%, 35%, 20%
CMY	0.4902, 0.6510, 0.7961
CMYK	0.00, 0.32, 0.60, 0.49
HSL	28°, 43%, 36%
HSV	28°, 60%, 51%
XYZ	13.3980, 12.1385, 4.8858
YIQ	97.0410, 36.3130, -2.8150

Conversions

Conversions Part 2

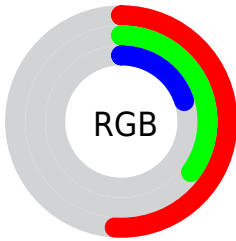
Format	Color
R_{YB}	130, 122, 52
Decimal	8542516
CIE _{Lab}	41.44, 12.65, 27.96
CIE _{LCh}	41, 30.686, 65.651
Yxy	12.1385, 0.4404, 0.3990
Android (android.graphics.Color)	4286732596 (0xFF825934)
YUV	97.0410, -22.2052, 28.9050
Hunter-Lab	34.8404, 7.6722, 16.0737

Details

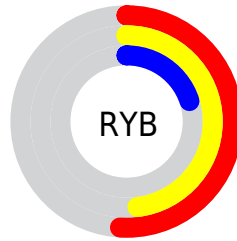
The Yxy color **12.1385, 0.4404, 0.3990** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.1699, 0.2222, 0.2415**, and the grayscale version is **12.0139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6996, 0.4077, 0.3839**, and **3.3209, 0.5006, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **10.9527, 0.4681, 0.4068**, and if you desaturate by 10%, it is **13.4634, 0.4137, 0.3887**.

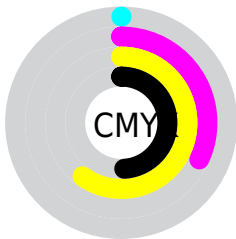
Distribution



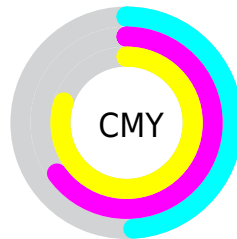
- Red (51%)
- Green (35%)
- Blue (20%)



- Red (51%)
- Yellow (48%)
- Blue (20%)



- Cyan (0%)
- Magenta (32%)
- Yellow (60%)
- Black (49%)





- Cyan (49%)
- Magenta (65%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1385, 0.4404, 0.3990 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.1385, 0.4404, 0.3990 by changing the saturation by 10% instead.


 12.1385, 0.4404,
0.3990


 12.1385, 0.4404,
0.3990


205.3201, 0.3632,
0.3602


 6.8381, 0.4648,
0.4084


 29.7471, 0.4086,
0.3845


 3.3610, 0.5010,
0.4203

 42.8241, 0.3978,
0.3791


 1.3230, 0.5632,
0.4368

 59.2620, 0.3892,
0.3746

 0.1589, 0.7432,
0.2568

 79.4453, 0.3821,
0.3708

 0.0000, 0.0000,
0.0000

 103.7584, 0.3762,
0.3675

 132.5856, 0.3712,

0.3648

166.3113, 0.3669,
0.3623

■ 12.1385, 0.4404,
0.3990

■ 12.1385, 0.4404,
0.3990

■ 10.9527, 0.4681,
0.4068

■ 13.4634, 0.4137,
0.3887

■ 9.8985, 0.4953,
0.4109

■ 14.9307, 0.3888,
0.3770

■ 8.9705, 0.5204,
0.4104

■ 16.5458, 0.3662,
0.3646

■ 8.1556, 0.5438,
0.4064

■ 18.3133, 0.3460,
0.3523

■ 8.1553, 0.5438,
0.4064

■ 20.2376, 0.3283,
0.3403

■ 22.3227, 0.3127,
0.3290

■ 24.5727, 0.2991,
0.3184

■ 26.9913, 0.2873,
0.3086

■ 29.5823, 0.2770,
0.2996

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.1385, 0.4422, 0.3488



12.1385, 0.4404, 0.3990



12.1385, 0.4024, 0.4393

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.1385, 0.4404, 0.3990



12.1385, 0.2261, 0.3531



12.1385, 0.2720, 0.2322

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.1385, 0.4404, 0.3990



10.1699, 0.2222, 0.2415

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.1385, 0.2228, 0.2260



12.1385, 0.4404, 0.3990



12.1385, 0.1985, 0.2871

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.1385, 0.4404, 0.3990



12.1385, 0.2781, 0.4191



12.1385, 0.1977, 0.2434



12.1385, 0.3384, 0.2583

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.1385, 0.4404, 0.3990



12.1385, 0.3640, 0.4519



12.1385, 0.1977, 0.2434



12.1385, 0.2532, 0.2277

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.1391, 0.4404, 0.3990



32.7722, 0.3430, 0.3503



8.0029, 0.3908, 0.2515



7.2346, 0.3477, 0.3534



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.1391, 0.4404, 0.3990



18.5880, 0.4781, 0.4088



20.2755, 0.3971, 0.4610



4.6545, 0.3267, 0.3393



7.8335, 0.5435, 0.4067



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.1699, 0.2222, 0.2415



14.7739, 0.2049, 0.2172



5.0366, 0.2024, 0.1501



4.5565, 0.2993, 0.3185



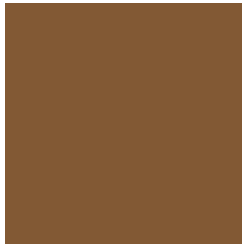
5.5613, 0.1810, 0.1714



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.1385, 0.4404, 0.3990 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.1385, 0.4404, 0.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.1385, 0.4404, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 12.1385, 0.4404, 0.3990.



This preview shows how white text looks on a background with the Yxy color 12.1385, 0.4404, 0.3990.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.1385, 0.4404, 0.3990

Protanopia

12.1993, 0.3901, 0.4233

Deuteranopia

12.0608, 0.4208, 0.4140



Tritanopia

12.0825, 0.3850, 0.3157

Trichromacy



Original Color

12.1385, 0.4404, 0.3990

Protanomaly

12.1638, 0.4078, 0.4147

Deuteranomaly

12.1784, 0.4285, 0.4097

Tritanomaly

12.0969, 0.4065, 0.3467

Monochromacy



Original Color

12.1385, 0.4404, 0.3990

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8507, 0.3564, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1385, 0.4404, 0.3990 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(130, 89, 52)` looks like.

```
.text, #text, p{  
    color:rgb(130, 89, 52)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(130, 89, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 89, 52) }
```

Border

The CSS property to change the border of an element to Yxy 12.1385, 0.4404, 0.3990 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(130, 89, 52) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(130, 89, 52) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(130, 89, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 89, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 89, 52);  
box-shadow:4px 4px 4px 4px rgb(130, 89,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1385, 0.4404, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 89, 52) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(130, 89,  
52) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor